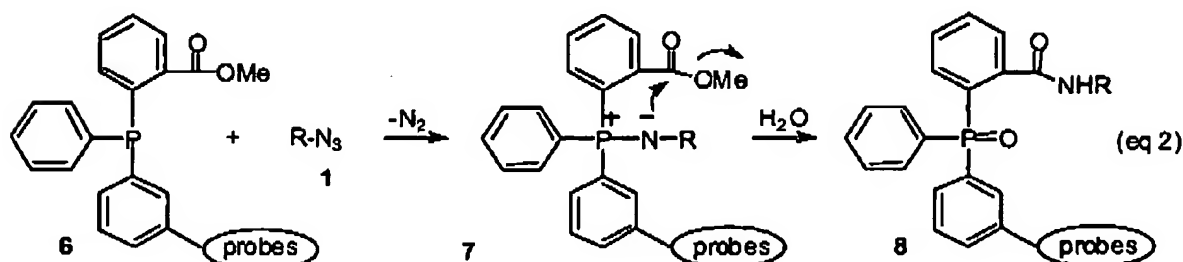


SPECIFICATION AMENDMENT

Please replace the paragraph beginning on page 12, line 1, with the following amended paragraph:

Arylphosphines are comparatively inert towards most enzymatic processes (Kiick, 2002). Their utility as "selectively addressable" *in vivo* labeling agents has been demonstrated in a series of experiments in which biochemical probes were attached or ligated to azide-modified proteins and cell-surface sialosides (Saxon, 2002; Kiick, 2002). The key step in each case exploited a Staudinger reaction (equation 2 – see eq 2 below). The intermediate aza-ylide 7, arising from addition of azido-conjugate 1 to a substituted arylphosphine 6, was intercepted by the adjacent methyl ester and ultimately furnished the stable amide 8.



Probes = Biotin or Photo-cleavable beads.
R-N₃ = a F-azide-modified protein.